

CLAIMS

1. Vector for plant transformation comprising a T-DNA with flanking T-DNA borders, characterized in that the vector further comprises a nucleic acid sequence which prevents the development of plant transformants having more vector sequences than the T-DNA sequence.

SUB C127
2. Vector according to claim 1, characterized in that the nucleic acid sequence which prevents the development of transformants having more vector sequences than the T-DNA sequence is a gene coding for a toxic compound, preferably selected from the group of RNase, DNase, phytotoxins, diphtheria toxin, proteases and antisense housekeeping genes, such as ATP synthase, cytochrome c, pyruvate kinase, aminoacyl transferase, or phosphate, di-, tricarboxylate and 2-oxo-glutarate translocators.

3. Vector according to claim 1, characterized in that the nucleic acid sequence which prevents the development of transformants having more vector sequences than the T-DNA sequence does not allow readthrough by comprising a sequence which prohibits unwinding of the DNA.

SUB C137
4. Vector according to claim 3, characterized in that the nucleic acid sequence prevents the development of transformants having more vector sequences than the T-DNA sequence by comprising a sequence which binds DNA-binding proteins.

Sub B9
5. Vector according to claim 4, characterized in that the sequence which binds DNA-binding proteins is a vir box, preferably the sequence 5' TNCAATTGAAAY3' (in which N is any nucleotide and Y is a pyrimidine base nucleotide (T or C)).

SUB C137
6. Vector according to claim 5, characterized in that the sequence which prohibits unwinding of the DNA is a sequence which has a high GC-content, preferably a sequence of 20-60 basepairs, more preferably a sequence of about 40 basepairs.

7. Vector according to claim 5 or 6, characterized in that the sequence has a GC-content of more than 80%, preferably more than 90%.

8. Method for obtaining transgenic plants which do not contain vector sequences outside the T-DNA by transforming plants with a vector according to ~~any of claims 1-7~~. ^{Claim 1}

9. Host containing a vector according to ~~any of claims 1-7~~. ^{Claim 1}

10. Host of claim 5, characterized in that it is a bacterium, preferably a member of the Agrobacteriaceae, more preferably *Agrobacterium* or *Rhizobacterium*, most preferably *Agrobacterium tumefaciens*.

11. Method for the transformation of plants characterized in that a vector of ~~any of claims 1 to 7~~ is used. ^{Claim 1}